

SYSTEMS AND METHODS FOR SCREENING FOR MODULATORS
OF NEURAL DIFFERENTIATION

ABSTRACT OF THE DISCLOSURE

[00236] The present invention provides *in vitro* systems for use in identifying
5 modulators of neural differentiation. Also provided are modulators identified by these
systems. The present invention further provides methods for identifying a modulator of
neural differentiation, a modulator of a Wnt signalling pathway, a modulator of Wnt-
dependent neural differentiation, a modulator of a BMP signalling pathway, a modulator of
BMP-dependent neural differentiation, a modulator of a Hh signalling pathway, and a
10 modulator of Hh-dependent neural differentiation. Also provided are modulators identified
by these methods.

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